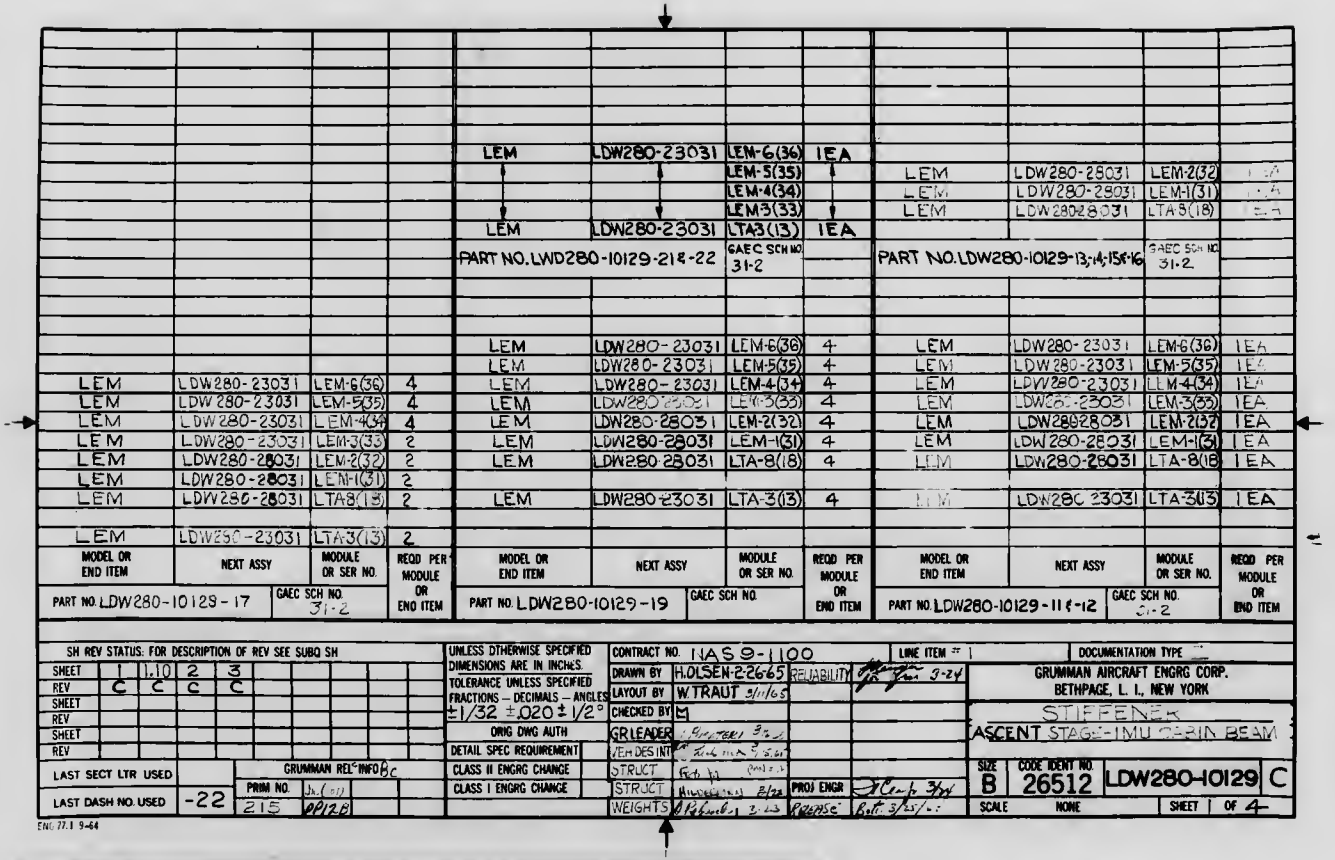


MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LEM	LDW280-23031	LEM-6(36)	4
LEM	LDW280-23031	LEM-5(35)	4
LEM	LDW280-23031	LEM-4(34)	4
LEM	LDW280-23031	LEM-3(33)	2
LEM	LDW280-23031	LEM-2(32)	2
LEM	LDW280-28031	LEM-1(31)	2
LEM	LDW280-28031	LTA8(18)	2
LEM	LDW280-23031	LTA-3(13)	2

PART NO. LDW280-10129-17 GAEC SCH NO. 31-2

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LEM	LDW280-23031	LEM-6(36)	1EA
		LEM-5(35)	
		LEM-4(34)	
		LEM-3(33)	
LEM	LDW280-23031	LTA-3(13)	1EA

PART NO. LWD280-10129-21&-22 GAEC SCH NO. 31-2

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LEM	LDW280-23031	LEM-6(36)	4
LEM	LDW280-23031	LEM-5(35)	4
LEM	LDW280-23031	LEM-4(34)	4
LEM	LDW280-23031	LEM-3(33)	4
LEM	LDW280-28031	LEM-2(32)	4
LEM	LDW280-28031	LEM-1(31)	4
LEM	LDW280-28031	LTA-8(18)	4
LEM	LDW280-23031	LTA-3(13)	4

PART NO. LDW280-10129-19 GAEC SCH NO.

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LEM	LDW280-28031	LEM-2(32)	1EA
LEM	LDW280-28031	LEM-1(31)	1EA
LEM	LDW280-28031	LTA8(18)	1EA

PART NO. LDW280-10129-13;14;15&16 GAEC SCH NO. 31-2

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LEM	LDW280-23031	LEM-6(36)	1EA
LEM	LDW280-23031	LEM-5(35)	1EA
LEM	LDW280-23031	LEM-4(34)	1EA
LEM	LDW280-23031	LEM-3(33)	1EA
LEM	LDW280-28031	LEM-2(32)	1EA
LEM	LDW280-28031	LEM-1(31)	1EA
LEM	LDW280-28031	LTA-8(18)	1EA
LEM	LDW280-23031	LTA-3(13)	1EA

PART NO. LDW280-10129-11&-12 GAEC SCH NO. 31-2

SH REV STATUS: FOR DESCRIPTION OF REV SEE SUBQ SH										
SHEET	1	1.10	2	3						
REV	C	C	C	C						
SHEET										
REV										
SHEET										
REV										

LAST SECT LTR USED

LAST DASH NO. USED -22

GRUMMAN REL INFO B C

PRIM NO. 215 Ja (11) 00/28

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE UNLESS SPECIFIED
FRACTIONS – DECIMALS – ANGLES
±1/32 ±.020 ± 1/2°
ORIG DWG AUTH
DETAIL SPEC REQUIREMENT
CLASS II ENGRG CHANGE
CLASS I ENGRG CHANGE

CONTRACT NO. NAS 9-1100 LINE ITEM # 1 DOCUMENTATION TYPE

DRAWN BY	H.OLSEN-2-2665	RELIABILITY	
LAYOUT BY	W.TRAUT 3/11/65		
CHECKED BY	M		
GR LEADER			
VEH DESINT			
STRUCT			
STRUCT		PROJ ENGR	
WEIGHTS		RELEASE	

GRUMMAN AIRCRAFT ENGRG CORP.
BETHPAGE, L. I., NEW YORK

STIFFENER
ASCENT STAGE-IMU CABIN BEAM

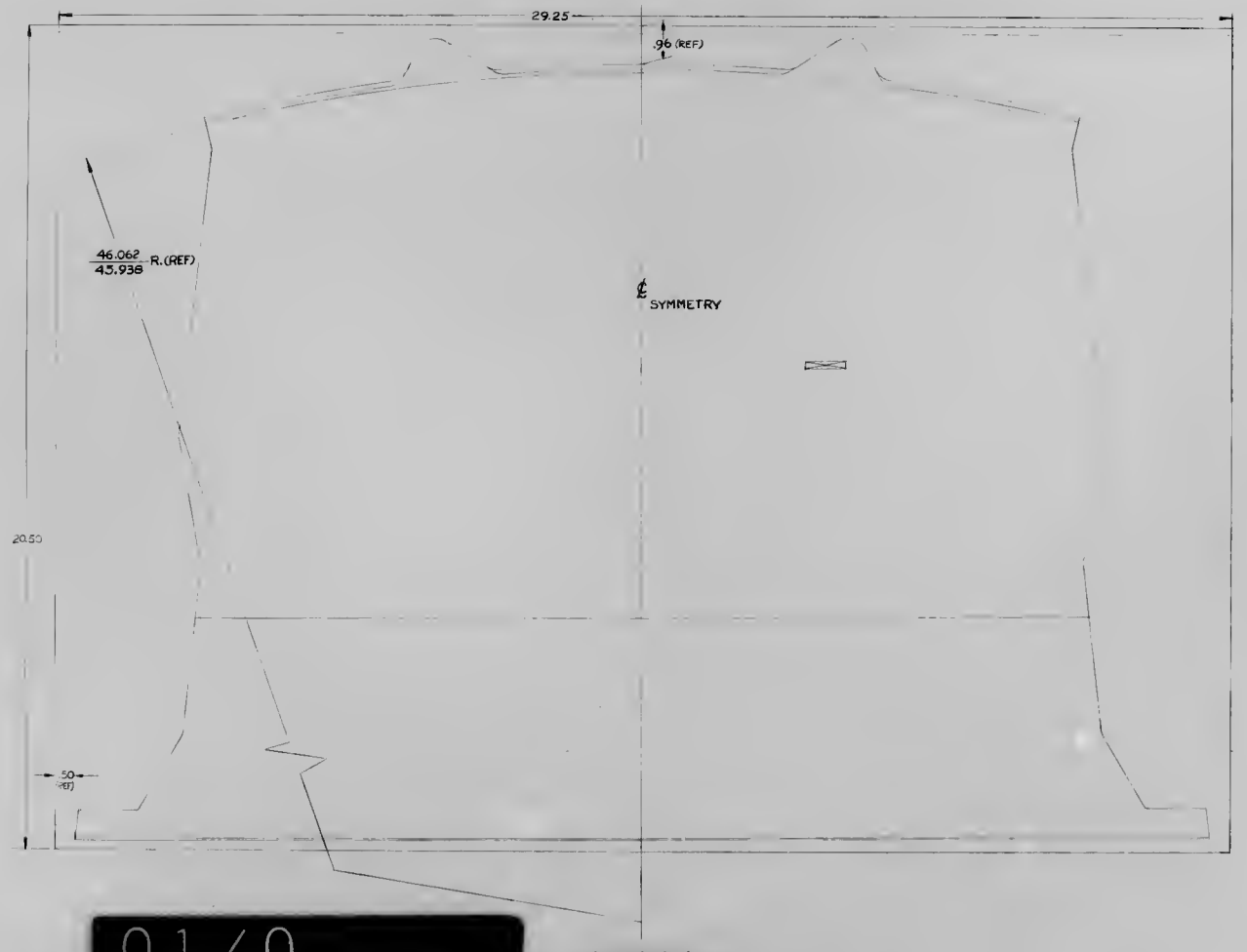
SIZE B | CODE IDENT NO. 26512 | LDW280-10129 C

SCALE NONE SHEET 1 OF 4

ENG 77.1 9-64

0 1

NAS 9-1100

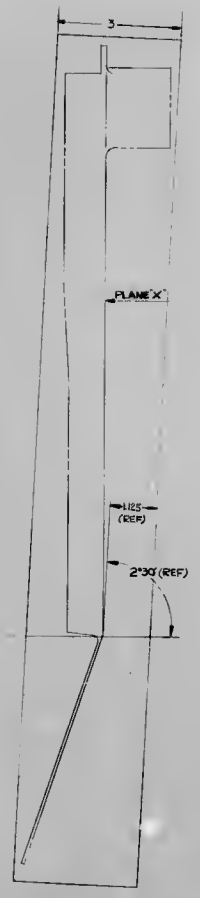


01/0

LDW280-10176-1

NAS 8-1106

CODE IDENT NO. 26512
LDW 280-10176 3



NOTES:
1. 2219-T87 ALUMINUM ALLOY PLATE PER MIL-A-9320A EXCEPT PREFORMED PRIOR TO ROLLING STRESS RELIEVED BY STRETCHING
2. QUALITY REQUIREMENTS.
3. ULTRASONIC TEST TO SNT CLASS "A" RATING AS D-ULTRASONIC GRID MAPS ARE REQUIRED.
4. CHEMICAL & PHYSICAL RANGE ANALYSIS TO ACCOMPANY SHIPMENT
5. GUARANTEED PROPERTIES:

	ULTIMATE KSI	YIELD PSI	ELONGATION %
LONGITUDINAL	65	50	6
LONG TRANSVERSE	63	50	4
SHORT TRANSVERSE	63	50	3

MANUFACTURING OPERATIONS
UNLESS OTHERWISE SPECIFIED
NOTES CHECKED √ APPLY TO THIS DWG.

- BREAK SHARP EDGES AND ALL OTHER MACHINED SURFACES
- FILLET SHARP INSIDE CORNERS
- DEPTH SHOWN FOR TAPPED HOLES IS FULL THDS. 2-3 PIP THDS. BEYOND PERMISSABLE.
- EXTERNAL THREAD LENGTH SHOWN INCLUDES 2 IMPERFECT THREADS MAX.
- DO NOT CADMIUM PLATE & PAINT HOLES OR SURFACES MARKED WITH DOUBLE ASTERISK.
- MISMATCH STEP OF ± .010 PERMISSIBLE DUE TO CHANGE OF CUTTERS AT JOINING INTERSECTING SURFACES.
- DIAMETERS MARKED MUST BE CONCENTRIC WITHIN FULL INDICATOR READING
- HOLES MUST BE KEPT FREE OF CADMIUM PLATING SOLUTION.
- ALL DIMENSIONS SHOWN TO BE MET AFTER CADMIUM PLATING. THICKNESS OF PLATE .0003 MIN. TO .0005 MAX. ON THICKNESS TO BE .0005 ON THREADED AREAS. NO ALLOWANCE FOR PLATING IN HOLES
- 125 SURFACE ROUGHNESS INCLUDING REAMED HOLES PER ANA-STD-10
- 125 FOR ALL DRILLED HOLES
- REMOVE ALL BURRS. BREAK ALL EDGES .015-.031
- INSPECTION INFORMATION MINIMUM PERMISSIBLE AVERAGE EDGE DISTANCE MARKED (E)
- SYMBOL ✓ INDICATES AREA TO BE MACHINED
- UNLESS OTHERWISE SPECIFIED TOLERANCE ON FLANGES IS ± 1/32
- LENGTHS OF ANA, BAC & NAS AL ALY RIVETS SHORTER THAN 1 INCH ARE NOT SPECIFIED.
- TOLERANCE HAS LIMITED RELINEATIONS AS

PRINTING USER ONLY — FULL SIZE SHEET AREA (11 IN² FOLD) — 15 3/4 SQ. FT. — 1/2 SIZE SHEET AREA (7 1/2 IN² FOLD) — 3 3/4 SQ. FT. — PRINT TRIM LINE

DWG SIZE IS A TO

LDW 280-10176

LDW 280-10176

02/0

NAS 9-1100

CODE IDENT NO. 26512 | LDW 280-10176 | SHEET 3

GRUMMAN AIRCRAFT ENGINE CORP., BETHPAGE, L.I., NEW YORK

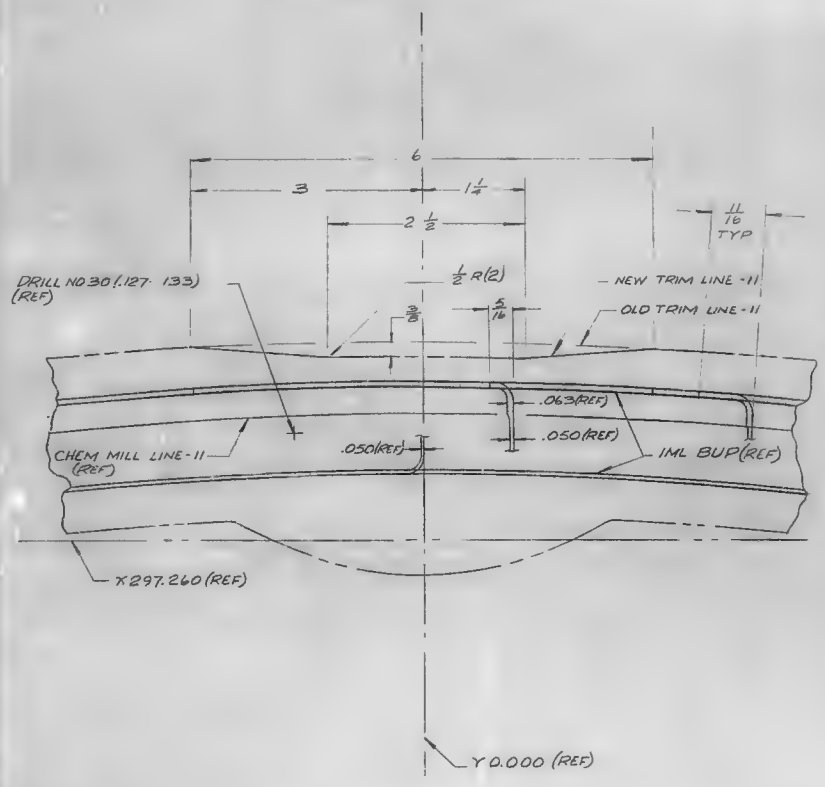
SIZE	CODE IDENT NO.	DWG. NO.
H	26512	LDW 280-10176

LEM | SCALE FULL | SHEET 3

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512
ENGINEERING ORDER

ENG 123 REV 3-65

DWG. NO. LDW280-10221 | ED NO. B1
CONTROL INFO NO. LDW280-5745



DETAIL SPEC REQ | CL II ENGRG CHG | CL I ENGRG CHG

REASON FOR ED: POSSIBLE INTERFERENCE FIT WITH IMU STRUCTURE

DESCRIPTION OF ED: REVISED TRIM LINE OF -11

EFFECTIVITY

MODEL	PROCURING ACTIVITY NO.	GAEC UNIT NO.	SUB CONTR UNIT NO.
LEM		LTA-3 (3), LTA-8 (18)	
LEM		LEM 1 (1), 2 (32), 3 (33),	
LEM		5 (34), 5 (35), 6 (36)	

DRAWING CHANGE RQSD: REVISE DWG ✓ | RECORD ED | DISPOSITION OF PARTS: REWORK ✓ | SCRAP

APPROVED BY: Sap 1.41 | DATE: 4-1 | VDI | RELIAB GROUP

GROUP LEADER | STRESS GROUP 4/1 | LIAISON ENGRG | PROJ ENGRG 4-5 | QUAL

GAEC ED RELEASE: PART 4/5-66

PRIORITY: C

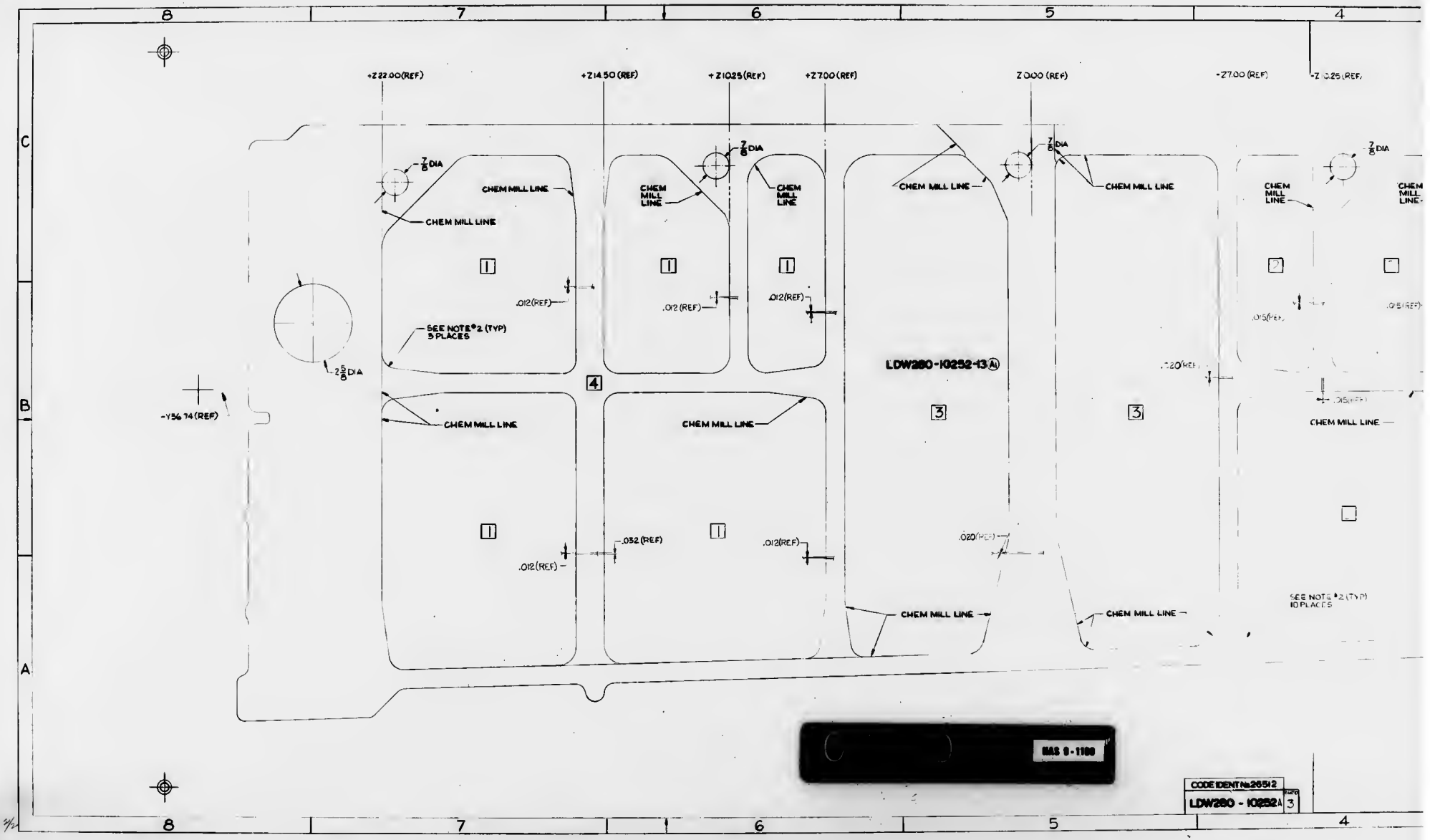
DRAWING TITLE: - FRAME - ASCENT STAGE - CABIN - UPPER - 255.37

DRAWING NO: LDW280-10221

ED NO. B1

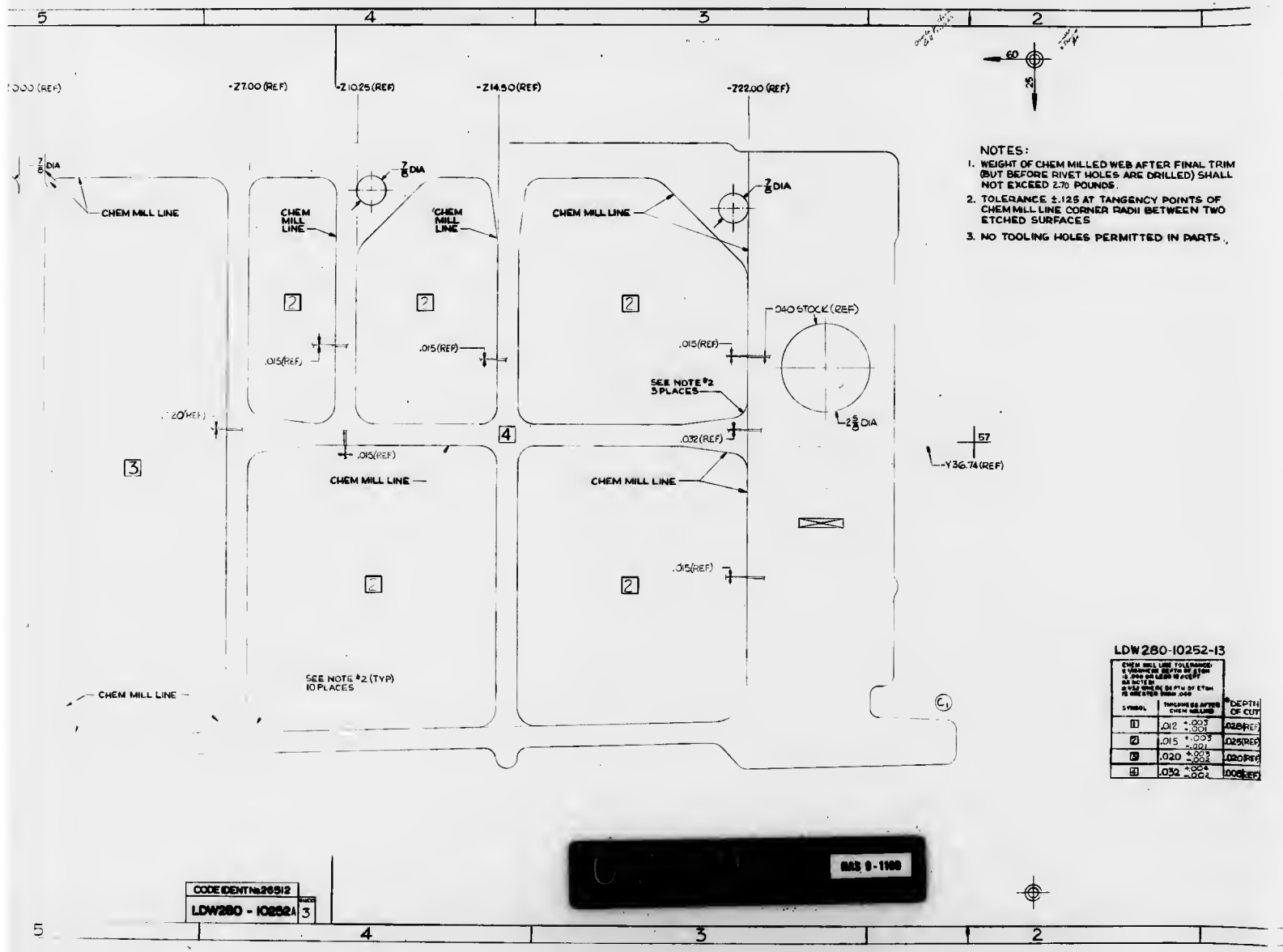
ISSUED BY PHINNAN EXT 7033 3/26/66 SECTION VDI - CABIN GROUP NO. 335 PL 35

NAS 9-1100



[redacted]

CODE IDENT NO 26512	
LDW280 - 10252 A	SHEET 3



NOTES:

1. WEIGHT OF CHEM MILLED WEB AFTER FINAL TRIM (BUT BEFORE RIVET HOLES ARE DRILLED) SHALL NOT EXCEED 2.70 POUNDS.
2. TOLERANCE ±.125 AT TANGENCY POINTS OF CHEM MILL LINE CORNER RADII BETWEEN TWO ETCHED SURFACES
3. NO TOOLING HOLES PERMITTED IN PARTS.

LDW280-10252-13

CHEM MILL LINE TOLERANCE: ± THICKNESS DEPTH BY ETCH (± .004 ON LESS) IS ACCEPT AS NOTED IN ② WILL REMOVE (50 PCT) OF ETCH IS NOT LESS THAN .040

SYMBOL	THICKNESS AFTER CHEM MILLING	*DEPTH OF CUT
1	.012 +.003 -.001	.028 (REF)
2	.015 +.003 -.001	.025 (REF)
3	.020 +.003 -.002	.020 (REF)
4	.032 +.004 -.002	.008 (REF)

MAS 8-1168

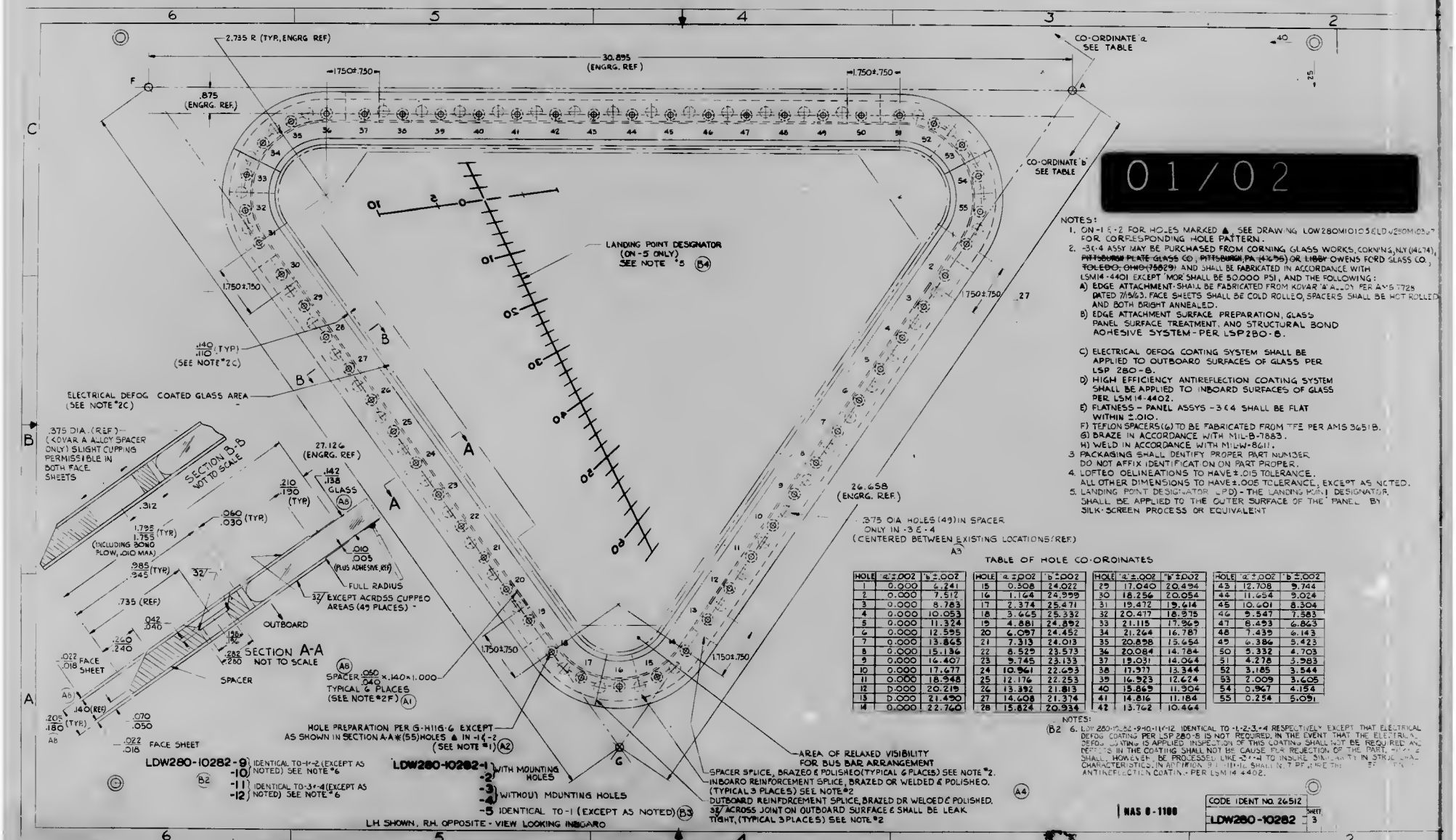
CODE IDENT No. 26512 | LDW280 - 10252A | SHEET 3

LEM	H 26512	LDW280-10252 C
		SHEET 5

GRUMMAN AIRCRAFT ENGG. CORP. BETHPAGE, L.I., NEW YORK

FOR PHOTO REPRODUCTION

LDW280-10252 C


2.735 R (TYP, ENGRG REF)
30.895 (ENGRG. REF)
1.750±.750
.875 (ENGRG. REF.)
CO-ORDINATE 'a' SEE TABLE
CO-ORDINATE 'b' SEE TABLE
01/02
LANDING POINT DESIGNATOR (ON -5 ONLY) SEE NOTE *5 (B4)
.140 .110 (TYP) (SEE NOTE *2C)
ELECTRICAL DEFOG COATED GLASS AREA (SEE NOTE *2C)
.375 DIA. (REF.) (KOVAR A ALLOY SPACER ONLY) SLIGHT CUPPING PERMISSIBLE IN BOTH FACE SHEETS
SECTION B-B NOT TO SCALE
27.126 (ENGRG. REF)
.142 .138 GLASS (A8)
.210 .190 (TYP)
.312
.060 .030 (TYP)
1.795 1.755 (TYP) (INCLUDING BOND FLOW, .010 MAX)
.985 .945 (TYP)
32°
.735 (REF)
.042 .040
.260 .240
.022 .018 FACE SHEET
.205 .180 (TYP)
.140 (REF)
.022 .018 FACE SHEET
.070 .050
.010 .005 (PLUS ADHESIVE, REF)
FULL RADIUS
32° EXCEPT ACROSS CUPPED AREAS (49 PLACES)
OUTBOARD
SECTION A-A NOT TO SCALE
.120 R
.282 .280
SPACER
SPACER .050 .040 x .140 x 1.000 TYPICAL 6 PLACES (SEE NOTE *2F) (A1)
HOLE PREPARATION PER G-H116-6 EXCEPT AS SHOWN IN SECTION A-A *(55) HOLES ▲ IN -1 (-2 (SEE NOTE *1) (A2)
26.658 (ENGRG. REF.)
.375 DIA HOLES (49) IN SPACER ONLY IN -3 & -4 (CENTERED BETWEEN EXISTING LOCATIONS/REF.) (A3)
AREA OF RELAXED VISIBILITY FOR BUS BAR ARRANGEMENT
SPACER SPLICE, BRAZED & POLISHED (TYPICAL 6 PLACES) SEE NOTE *2.
INBOARD REINFORCEMENT SPLICE, BRAZED OR WELDED & POLISHED. (TYPICAL 3 PLACES) SEE NOTE *2
OUTBOARD REINFORCEMENT SPLICE, BRAZED OR WELDED & POLISHED. 32° ACROSS JOINT ON OUTBOARD SURFACE & SHALL BE LEAK TIGHT, (TYPICAL 3 PLACES) SEE NOTE *2
(A4)
LDW280-10282-9 (B2) IDENTICAL TO -1-2 (EXCEPT AS NOTED) SEE NOTE *6
-10
-11
-12 IDENTICAL TO -3-4 (EXCEPT AS NOTED) SEE NOTE *6
LDW280-10282-1 WITH MOUNTING HOLES
-2
-3 WITHOUT MOUNTING HOLES
-4
-5 IDENTICAL TO -1 (EXCEPT AS NOTED) (B3)
LH SHOWN, RH OPPOSITE - VIEW LOOKING INBOARD

NOTES:

1. ON -1 & -2 FOR HOLES MARKED ▲, SEE DRAWING LDW280M10103 & LDW280M10307 FOR CORRESPONDING HOLE PATTERN.
2. -3 & -4 ASSY MAY BE PURCHASED FROM CORNING GLASS WORKS, CORNING, NY (14674), ~~PITTSBURGH PLATE GLASS CO., PITTSBURGH, PA (15235)~~ OR ~~LIBBY~~ OWENS FORD GLASS CO., TOLEDO, OHIO (75629) AND SHALL BE FABRICATED IN ACCORDANCE WITH LSM14-4401 EXCEPT MOR SHALL BE 50,000 PSI, AND THE FOLLOWING:
   A) EDGE ATTACHMENT SHALL BE FABRICATED FROM KOVAR 'A' ALLOY PER AMS 7724 DATED 7/1963. FACE SHEETS SHALL BE COLD ROLLED, SPACERS SHALL BE HOT ROLLED AND BOTH BRIGHT ANNEALED.
   B) EDGE ATTACHMENT SURFACE PREPARATION, GLASS PANEL SURFACE TREATMENT, AND STRUCTURAL BOND ADHESIVE SYSTEM - PER LSP280-8.
   C) ELECTRICAL DEFOG COATING SYSTEM SHALL BE APPLIED TO OUTBOARD SURFACES OF GLASS PER LSP 280-8.
   D) HIGH EFFICIENCY ANTIREFLECTION COATING SYSTEM SHALL BE APPLIED TO INBOARD SURFACES OF GLASS PER LSM 14-4402.
   E) FLATNESS - PANEL ASSYS -3 & 4 SHALL BE FLAT WITHIN ±.010.
   F) TEFLON SPACERS (6) TO BE FABRICATED FROM TFE PER AMS 3651B.
   G) BRAZE IN ACCORDANCE WITH MIL-B-7883.
   H) WELD IN ACCORDANCE WITH MILW-8611.
3. PACKAGING SHALL IDENTIFY PROPER PART NUMBER. DO NOT AFFIX IDENTIFICATION ON PART PROPER.
4. LOFTED OELINEATIONS TO HAVE ±.015 TOLERANCE. ALL OTHER DIMENSIONS TO HAVE ±.005 TOLERANCE, EXCEPT AS NOTED.
5. LANDING POINT DESIGNATOR (LPD) - THE LANDING POINT DESIGNATOR SHALL BE APPLIED TO THE OUTER SURFACE OF THE PANEL BY SILK-SCREEN PROCESS OR EQUIVALENT

TABLE OF HOLE CO-ORDINATES

HOLE	a' ±.002	b' ±.002
1	0.000	6.241
2	0.000	7.512
3	0.000	8.783
4	0.000	10.053
5	0.000	11.324
6	0.000	12.595
7	0.000	13.865
8	0.000	15.136
9	0.000	16.407
10	0.000	17.677
11	0.000	18.948
12	0.000	20.219
13	0.000	21.490
14	0.000	22.760
15	0.508	24.022
16	1.164	24.999
17	2.374	25.471
18	3.665	25.332
19	4.881	24.892
20	6.097	24.452
21	7.313	24.013
22	8.529	23.573
23	9.745	23.133
24	10.961	22.693
25	12.176	22.253
26	13.392	21.813
27	14.608	21.374
28	15.824	20.934
29	17.040	20.494
30	18.256	20.054
31	19.472	19.614
32	20.417	18.975
33	21.115	17.969
34	21.264	16.787
35	20.858	15.654
36	20.084	14.784
37	19.031	14.064
38	17.977	13.344
39	16.923	12.624
40	15.869	11.904
41	14.816	11.184
42	13.762	10.464
43	12.708	9.744
44	11.654	9.024
45	10.601	8.304
46	9.547	7.583
47	8.493	6.863
48	7.439	6.143
49	6.386	5.423
50	5.332	4.703
51	4.278	3.983
52	3.185	3.544
53	2.009	3.605
54	0.967	4.154
55	0.254	5.091

NOTES:

(B2) 6. LDW280-10282-9-10-11-12 IDENTICAL TO -1-2-3-4 RESPECTIVELY EXCEPT THAT ELECTRICAL DEFOG COATING PER LSP 280-8 IS NOT REQUIRED. IN THE EVENT THAT THE ELECTRICAL DEFOG COATING IS APPLIED, INSPECTION OF THIS COATING SHALL NOT BE REQUIRED AND DEFECTS IN THE COATING SHALL NOT BE CAUSE FOR REJECTION OF THE PART. -9-10-11-12 SHALL, HOWEVER, BE PROCESSED LIKE -3-4 TO INSURE SIMILARITY IN STRUCTURAL CHARACTERISTICS. IN ADDITION, -9-10-11-12 SHALL NOT REQUIRE THE [illegible] ANTIREFLECTION COATING PER LSM 14-4402.

NAS 8-1100

CODE IDENT NO. 26512	
LDW280-10282	SHEET 3

CO-ORDINATE 'a' SEE TABLE
CO-ORDINATE 'b' SEE TABLE
30.895 (ENGRG. REF)
1.750±.750
LANDING POINT DESIGNATOR (ON -5 ONLY) SEE NOTE *5 (B4)
26.658 (ENGRG. REF.)
.375 DIA. HOLES (49) IN SPACER ONLY IN -3 & -4 (CENTERED BETWEEN EXISTING LOCATIONS (REF.) (A3)
AREA OF RELAXED VISIBILITY FOR BUS BAR ARRANGEMENT
SPACER SPLICE, BRAZED & POLISHED (TYPICAL 6 PLACES) SEE NOTE *2.
INBOARD REINFORCEMENT SPLICE, BRAZED OR WELDED & POLISHED. (TYPICAL 5 PLACES) SEE NOTE *2
OUTBOARD REINFORCEMENT SPLICE, BRAZED OR WELDED & POLISHED. 35 ACROSS JOINT ON OUTBOARD SURFACE & SHALL BE LEAK TIGHT, (TYPICAL 3 PLACES) SEE NOTE *2 (A4)
LDW280-10282-1 WITH MOUNTING HOLES
-2
-3 WITHOUT MOUNTING HOLES
-4
-5 IDENTICAL TO -1 (EXCEPT AS NOTED) (B3)
LH SHOWN, RH OPPOSITE - VIEW LOOKING INBOARD
PREPARATION PER G-H116-G EXCEPT SECTION A-A *(55) HOLES ▲ IN -1 & -2 (SEE NOTE *1) (A2)
FULL RADIUS EXCEPT ACROSS CUPPED AREAS (40 PLACES) (A6)
SPACER .050 .040 x .140 x 1.000 TYPICAL 6 PLACES SEE NOTE *2F) (A1)
02/02

NOTES:
1. ON -1 & -2 FOR HOLES MARKED ▲, SEE DRAWING LDW280M10105 & LOW280M10367 FOR CORRESPONDING HOLE PATTERN.
2. -3 (-4 ASSY MAY BE PURCHASED FROM CORNING GLASS WORKS, CORNING, N.Y. (1474), ~~PITTSBURGH PLATE GLASS CO., PITTSBURGH, PA. (1795)~~ OR ~~LIBBY OWENS FORD GLASS CO., TOLEDO, OHIO (15627)~~, AND SHALL BE FABRICATED IN ACCORDANCE WITH LSM14-4401 EXCEPT 'MOR' SHALL BE 50,000 PSI, AND THE FOLLOWING:
   A) EDGE ATTACHMENT - SHALL BE FABRICATED FROM KOVAR 'A' ALLOY PER AMS 7728 DATED 7/15/63. FACE SHEETS SHALL BE COLD ROLLED, SPACERS SHALL BE HOT ROLLED AND BOTH BRIGHT ANNEALED.
   B) EDGE ATTACHMENT SURFACE PREPARATION, GLASS PANEL SURFACE TREATMENT, AND STRUCTURAL BOND ADHESIVE SYSTEM - PER LSP280-8.
   C) ELECTRICAL DEFOG COATING SYSTEM SHALL BE APPLIED TO OUTBOARD SURFACES OF GLASS PER LSP 280-8.
   D) HIGH EFFICIENCY ANTIREFLECTION COATING SYSTEM SHALL BE APPLIED TO INBOARD SURFACES OF GLASS PER LSM 14-4402.
   E) FLATNESS - PANEL ASSYS -3 & 4 SHALL BE FLAT WITHIN ±.010.
   F) TEFLON SPACERS (6) TO BE FABRICATED FROM TFE PER AMS 3651B.
   G) BRAZE IN ACCORDANCE WITH MIL-B-7883.
   H) WELD IN ACCORDANCE WITH MIL-W-8611.
3. PACKAGING SHALL IDENTIFY PROPER PART NUMBER. DO NOT AFFIX IDENTIFICATION ON PART PROPER.
4. LOFTED DELINEATIONS TO HAVE ±.015 TOLERANCE. ALL OTHER DIMENSIONS TO HAVE ±.005 TOLERANCE, EXCEPT AS NOTED.
5. LANDING POINT DESIGNATOR (LPD) - THE LANDING POINT DESIGNATOR SHALL BE APPLIED TO THE OUTER SURFACE OF THE PANEL BY SILK-SCREEN PROCESS OR EQUIVALENT

TABLE OF HOLE CO-ORDINATES

HOLE	'a' ±.002	'b' ±.002
1	0.000	6.241
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7	0.000	13.865
8	0.000	15.136
9	0.000	16.407
10	0.000	17.677
11	0.000	18.948
12	0.000	20.219
13	0.000	21.490
14	0.000	22.760
15	0.508	24.022
16	1.164	24.599
17	2.376	25.471
18	3.643	25.332
19	4.881	24.892
20	6.097	24.452
21	7.313	24.013
22	8.529	23.573
23	9.745	23.133
24	10.961	22.693
25	12.176	22.253
26	13.392	21.813
27	14.608	21.374
28	15.824	20.934
29	17.040	20.494
30	18.256	20.054
31	19.472	19.614
32	20.417	18.975
33	21.118	17.969
34	21.264	16.787
35	20.896	15.644
36	20.044	14.784
37	19.031	14.044
38	17.917	13.344
39	16.923	12.624
40	15.849	11.904
41	14.816	11.184
42	13.742	10.464
43	12.708	9.744
44	11.654	9.024
45	10.601	8.304
46	9.547	7.583
47	8.493	6.863
48	7.439	6.143
49	6.386	5.423
50	5.332	4.703
51	4.278	3.983
52	3.185	3.544
53	2.009	3.600
54	0.967	4.184
55	0.254	5.091

NOTES:
(B2) 6. LDW280-10282-1-2-11-12 IDENTICAL TO -1-2-3-4 RESPECTIVELY EXCEPT THAT ELECTRICAL DEFOG COATING PER LSP280-8 IS NOT REQUIRED. IN THE EVENT THAT THE ELECTRICAL DEFOG COATING IS APPLIED, INSPECTION OF THIS COATING SHALL NOT BE REQUIRED AND DEFECTS IN THE COATING SHALL NOT BE CAUSE FOR REJECTION OF THE PART. -11-12 SHALL, HOWEVER, BE PROCESSED LIKE -3-4 TO INSURE SIMILARITY IN STRUCTURAL CHARACTERISTICS. IN ADDITION, 9-10-11-12 SHALL NOT REQUIRE THE HIGH EFFICIENCY ANTIREFLECTION COATING PER LSM 14-4402.

NOTES:
5(A) SELF-LUMINOUS MATERIAL - SELF LUMINOUS MATERIAL SHALL CONSIST OF A COMPATIBLE BLEND OF PHOSPHOR, RADIOACTIVE ACTIVATOR AND A BINDER THAT SHALL SATISFY THE REQUIREMENTS SPECIFIED HEREIN. COLOR FOR THE LANDING POINT DESIGNATOR SHALL BE IN ACCORDANCE WITH THE FOLLOWING. JEDEC P-7 (YELLOW COMPONENT) GE CATALOG # 118-2-1
(B) BIOLOGICAL EFFECTS - THE LANDING POINT DESIGNATOR SHALL REMAIN, UNDER ALL COMBINATIONS OF THE ENVIRONMENTAL CONDITIONS, BIOLOGICALLY SAFE AND CHEMICALLY INERT.
(C) RADIATION - TOTAL DETECTABLE RADIATION FROM THE LANDING POINT DESIGNATOR SHALL BE LIMITED TO THE FOLLOWING MAXIMUM VALUES WHEN VIEWED OPPOSITE TO THE MARKINGS.
   (a) ONE CENTIMETER FROM THE MARKED SURFACE - 5.0 MILLI-ROENTGENS/HOUR
   (b) FIVE CENTIMETERS FROM THE MARKED SURFACE - 1.5 MILLI-ROENTGENS/HOUR
(D) PERFORMANCE - BRIGHTNESS MEASUREMENTS SHALL BE TAKEN AFTER THE SELF-LUMINOUS DEVICE HAS BEEN IN A DARK ENVIRONMENT FOR AT LEAST 15 MINUTES, TO PERMIT THE PHOSPHORESCENCE TO DECAY TO A NEGLIGIBLE LEVEL. THE LANDING POINT DESIGNATOR SHALL DISPLAY LEVELS OF BRIGHTNESS AS FOLLOWS.
JEDEC P-7 (YELLOW COMPONENT) MINIMUM BRIGHTNESS (FOOT LAMBERTS) TO BE DETERMINED. MANUFACTURER TO ESTABLISH MINIMUM BRIGHTNESS BASED ON END USE REQUIREMENTS ONE YEAR FROM DELIVERY OF 0.1 FOOT LAMBERTS MINIMUM BRIGHTNESS.

MAS 0-1100

CODE IDENT NO. 26512	SIZE	DWG NO. LDW280-10282	REV
	H	26512 LDW280-10282	B
	SCALE FULL	SHEET 3	

LDW280-10282 B1
LDW280-10282 B
LDW280-10282 A